

S/N 09/380,447

PATENTIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

|             |  |                 |                 |
|-------------|--|-----------------|-----------------|
| Applicant:  | SIDHU ET AL.   | Examiner:       | MY-CHAU T. TRAN |
| Serial No.: | 09/380,447   | Group Art Unit: | 1639            |
| Filed:      | SEPTEMBER 1, 1999  | Docket No.:     | 11669.141USWO   |
| Title:      | TRANSFORMATION EFFICIENCY IN PHAGE DISPLAY<br>THROUGH MODIFICATION OF A COAT PROTEIN |                 |                 |

CERTIFICATE UNDER 37 CFR 1.6(d)

I hereby certify that this paper is being transmitted by facsimile to the U.S. Patent and Trademark Office on April 9, 2003.

By:

Sheryl A. Boerboom

Name: Sheryl A. Boerboom

## RESPONSE TO RESTRICTION REQUIREMENT

Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

This application is a national stage application of PCT/US99/16596 and restriction of the claims is governed by PCT Rule 13, Unity of Invention. The Examiner has identified twelve groups of claims. Applicants provisionally elect the group I invention (claims 1-4, 7-9, and 11-12) with traverse.

Applicants traverse the restriction requirement with respect to group I (claims 1-4, 7-9, 11-12) and groups III (claim 10), group IV (claim 13), group V (claim 14) and group VI (claim 15). Applicants refer the Examiner to the International Preliminary Examination Report in which Unity of Invention for claims 1-4 and 7-15 was established. Applicants submit that the Examiner has not shown that the determination of Unity of Invention during the International Preliminary Examination was not proper.

The Examiner has also required an election of species. Applicants elect major coat protein gpVIII of a phage. Applicants further elect a variant of a wild type major coat protein

with a substitution at amino acid position 17 of a serine with an isoleucine. Applicants further elect an antibody or fragment thereof as the heterologous protein. Applicants submit claims 1-4 and 7-8 read on the elected species of polypeptide.

The Examiner is invited to contact Applicants' representative if prosecution may be assisted thereby.

Respectfully submitted,

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Date: April 9, 2003

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**Fax Transmission** | April 9, 2003

TO: Commissioner for Patents  
Attn: Examiner My-Chau T. Tran  
Patent Examining Corps  
Facsimile Center  
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FROM: Katherine M. Kowalchuk

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If you do NOT receive all of the pages, please telephone us at 612.371.5204, or fax us at 612.332.9081.

Title of Document Transmitted:

RESPONSE TO RESTRICTION  
REQUIREMENT AND PETITION FOR  
EXTENSION OF TIME

Applicant: SIDHU ET AL.  
Serial No.: 09/380,447  
Filed: SEPTEMBER 1, 1999  
Group Art Unit: 1639  
Our Ref. No.: 11669.141USWO

Please charge Deposit Account No. 13-2725 in the amount of \$110.00 for one-month extension of time. Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers, if appropriate.

By: Katherine M. Kowalchuk  
Name: Katherine M. Kowalchuk  
Reg. No.: 36,848

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April 9, 2003

Sheryl A. Boerboom  
Signature

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